

Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Crawford County, Missouri
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
66014: Haymond-----	fragrant sumac; American plum	blackhaw; gray dogwood	nannyberry; Washington hawthorn; eastern redcedar	sweetgum; green ash; white fir	pin oak; eastern white pine
70028: Moko-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73012: Gravois-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73032: Gatewood-----	---	---	---	---	---
73035: Gravois-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
73039: Glensted-----	American plum; redosier dogwood	common chokecherry	common hackberry; eastern redcedar	golden willow; green ash; honeylocust; northern red oak; Norway spruce; silver maple	eastern cottonwood
73053: Lily-----	American hazelnut; coralberry; flameleaf sumac	American plum; blue spruce; eastern redcedar; gray dogwood; Washington hawthorn	common serviceberry; persimmon; post oak; shingle oak	Austrian pine; black oak	---

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	<8	8-15	16-25	26-35	>35
73053: (cont) Bender-----	coralberry; coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73066: Bender-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash	---	---
73067: Bender-----	coralberry; coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
Rock outcrop-----	---	---	---	---	---
73089: Rueter-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73094: Gatewood-----	---	---	---	---	---
73098: Plato-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---

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	<8	8-15	16-25	26-35	>35
73135: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; Virginia pine	---	---
73136: Union-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; Virginia pine	shortleaf pine	---
73159: Yelton-----	coralberry; coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
73162: Alred-----	---	---	---	---	---
Rueter-----	---	---	---	---	---
73164: Bender-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash	---	---
Rock outcrop-----	---	---	---	---	---
73166: Viburnum-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---

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	<8	8-15	16-25	26-35	>35
73166: (cont) Tonti-----	Amur honeysuckle; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---
73168: Swiss-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
73169: Beemont-----	---	---	---	---	---
Gatewood-----	---	---	---	---	---
73170: Beemont-----	---	---	---	---	---
Gatewood-----	---	---	---	---	---
73171: Plato, eroded-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
73172: Rosati-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; Virginia pine	---	---

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	<8	8-15	16-25	26-35	>35
73173: Lily-----	---	---	---	---	---
Yelton-----	common lilac; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---
73174: Lily-----	---	---	---	---	---
Yelton-----	common lilac; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---
73175: Poynor-----	---	---	---	---	---
Bendavis-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
73176: Bendavis-----	coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---

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	<8	8-15	16-25	26-35	>35
73176: (cont) Poynor-----	common ninebark; fragrant sumac; St. Johnswort	eastern redcedar; possumhaw; roughleaf dogwood; Washington hawthorn	arborvitae; bur oak; green hawthorn; post oak	Austrian pine; common hackberry; green ash; honeylocust; pin oak	---
73181: Useful-----	---	---	---	---	---
Gatewood-----	---	---	---	---	---
73200: Sonsac-----	---	---	---	---	---
73210: Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
73214: Moko-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73215: Crider-----	---	---	---	---	---
73271: Moko-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
73272: Hildebrecht-----	common lilac; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---
73273: Coulstone-----	---	---	---	---	---
Bender-----	---	---	---	---	---
73274: Scholten-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; Virginia pine	---	---
73275: Gravois-----	common lilac; fragrant sumac	Amur maple; gray dogwood	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
73276: Rueter-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---

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	<8	8-15	16-25	26-35	>35
73276: (cont) Hildebrecht-----	common lilac; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---
73277: Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
73278: Rueter-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
73279: Sonsac-----	---	---	---	---	---
Moko-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73280: Alred-----	---	---	---	---	---
73281: Hobson-----	common lilac; fragrant sumac	Amur maple; gray dogwood	Austrian pine; common hackberry; eastern redcedar; green ash; Manchurian crabapple	---	---

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	<8	8-15	16-25	26-35	>35
73282: Alred-----	---	---	---	---	---
Sonsac-----	---	---	---	---	---
73283: Courtois, eroded-----	---	---	---	---	---
73284: Courtois-----	---	---	---	---	---
Goss-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
73285: Useful-----	---	---	---	---	---
Courtois-----	---	---	---	---	---
73286: Useful-----	---	---	---	---	---
Courtois-----	---	---	---	---	---
73287: Useful-----	---	---	---	---	---
Sonsac-----	---	---	---	---	---
73288: Caneyville-----	---	---	---	---	---
Rock outcrop-----	---	---	---	---	---
73289: Fourche-----	---	---	---	---	---

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	<8	8-15	16-25	26-35	>35
74634: Hartville-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	---	---
74650: Higdon-----	---	---	---	---	---
74652: Lecoma-----	common lilac	Amur maple	common hackberry; eastern redcedar	eastern white pine; green ash; honeylocust; Norway spruce; pin oak	---
74653: Racoon-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
Freeburg-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
74656: Deible-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
74661: Waben-----	---	---	---	---	---
74662: Higdon-----	---	---	---	---	---

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75376: Cedargap-----	common lilac; fragrant sumac	American plum; gray dogwood	Austrian pine; bur oak; common hackberry; eastern redcedar; green ash; honeylocust	shortleaf pine	---
75388: Kaintuck-----	American hazelnut; ninebark; wild hydrangea	American plum; blue spruce; possumhaw; roughleaf dogwood	arborvitae; bur oak; green hawthorn; shingle oak	Austrian pine; baldcypress; hackberry; pin oak; red maple	American sycamore; eastern cottonwood; eastern white pine
Relfe-----	coralberry; coralberry; fragrant sumac; ninebark	eastern redbud; eastern redcedar; flowering dogwood; gray dogwood	common serviceberry; persimmon; post oak; red pine; shingle oak; shortleaf pine	black oak; mockernut hickory; northern red oak; white ash	---
75398: Kaintuck-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75412: Razort-----	---	---	---	---	---
75413: Relfe-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75427: Gabriel, GRAVELLY SUBSTRATUM PHASE-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood

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75450: Bloomsdale-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75453: Sturkie-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
75459: Huzzah-----	fragrant sumac; American plum	blackhaw; gray dogwood	nannyberry; Washington hawthorn; eastern redcedar	sweetgum; green ash; white fir	pin oak; eastern white pine
75460: Horsecreek, WET SUBSTRATUM PHASE-----	silky dogwood	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; common hackberry; green ash; pin oak; sweetgum	eastern cottonwood; eastern white pine
99000: Pits, quarries-----	---	---	---	---	---
99001: Water-----	---	---	---	---	---
99003: Miscellaneous water-----	---	---	---	---	---